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## CAP FOR BALL POINT PEN AND CAP FOR COATING TOOL

Patent Number: JP2001158196

Publication date: 2001-06-12

Inventor(s): OZU TATSUYA

Applicant(s): SAKURA COLOR PROD CORP.

Requested Patent:  JP2001158196

Application Number: JP20000219184 20000719

Priority Number(s):

IPC Classification: B43K23/08

EC Classification:

Equivalents:

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### Abstract

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**PROBLEM TO BE SOLVED:** To develop a cap which exhibits a completely new design effect and hardly generate mistaking.

**SOLUTION:** The cap is molded by using a semi-transparent polypropylene resin composition containing a glass flake pigment as a raw material and by injection molding of it. An annular projection 21 is provided at the inmost center of the cap 12 and a separately molded pen point protective member (a colored member) 22 is inserted therein. The pen point protective member 22 is a spherical body prepared of a silicone rubber and is colored to be a red color which is the same color as that of an ink stored in an ink cylinder 17.

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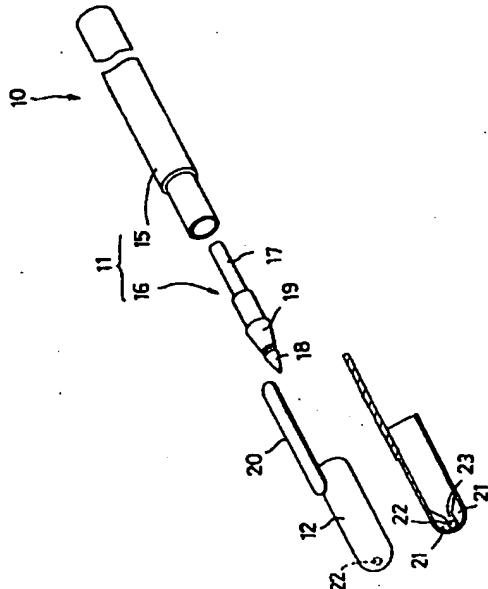
弁理士 藤田 隆

(54)【発明の名称】 ポールペン用キャップ及び塗布具用キャップ

(57)【要約】

【課題】 全く新たな意匠効果を発揮すると共に、取り違えが起こりにくいキャップの開発を課題とする。

【解決手段】 ガラスフレーク顔料を含む半透明のポリプロピレン樹脂組成物を原料として、射出成形によってキャップを成形する。キャップ12内の最も奥部の中央に、環状の突出部21が設けられ、別途成形されたペン先保護部材(着色部材)22が挿入されている。ペン先保護部材22は、シリコーンゴムで作られた球状体でありインキ筒17に内蔵されたインキと同一の色たる赤色に着色されている。



## Two colour ball point pen

Patent Number: FR2749220

Publication date: 1997-12-05

Inventor(s):

Applicant(s): ROLLIN JEAN (FR)

Requested Patent:  FR2749220

Application Number: FR19960007017 19960604

Priority Number(s): FR19960007017 19960604

IPC Classification: B43K7/00

EC Classification: B43K27/12

Equivalents:

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### Abstract

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The pen has an exterior casing (1) with two ink refills having ball heads (2,3) and an end cap (4). The colour being used can be changed by rotation of the pen between the fingers to retract the point not to be used away from the paper due to its position in the hand. The refills, casing and cap form a rigid assembly.

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## Multi-purpose pen

Patent Number: CN1161911  
Publication date: 1997-10-15  
Inventor(s): ZHANG HONGMIN (CN)  
Applicant(s): ZHANG HONGMIN (CN)  
Requested Patent: CN1161911  
Application Number: CN19960102848 19960409  
Priority Number(s): CN19960102848 19960409  
IPC Classification: B43K17/02; B43K8/24  
EC Classification:  
Equivalents:

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### Abstract

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This invention discloses a pen with two pen ribs. It features that the ordinary type pen nib for ordinary writing is fixed and the bent pen nib for writing brush pen style character is movable. In the front cap of the pen holder, a guiding device is set up and can make the nib go out or in straightly. This invention brings along the convenience of writing different styles of character with one pen.

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